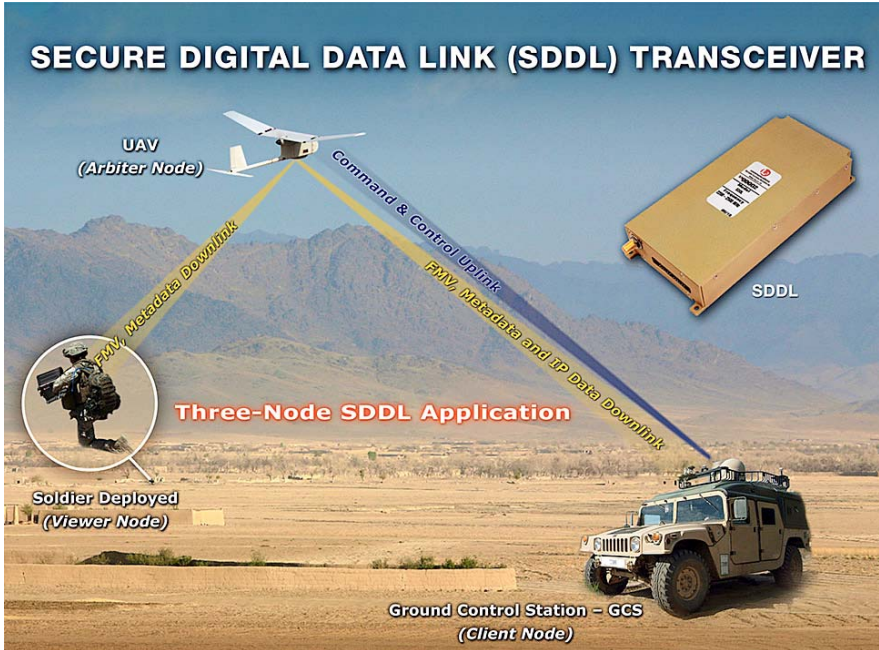


## NEW SECURE DIGITAL DATA LINK TRANSCEIVER FROM L-3 SOUTHERN CALIFORNIA MICROWAVE

### SECURE DIGITAL DATA LINK (SDDL) TRANSCEIVER



L-3 Southern California Microwave (L-3 SCM) introduces the Secure Digital Data Link (SDDL) Transceiver for Unmanned Systems and Commercial Surveillance Applications.

L-3 SCM's new SDDL is comprised of highly compact and efficient SOQPSK TDMA Transceivers providing a robust downlink and uplink secured by industry standards AES-128 Encryption.

The SDDL enables optimal utilization of frequency spectrum by use of a single RF channel supporting an IP-based, bi-directional TDMA transport stream for downlink of compressed video and data information, and uplink of command and control information.

For more information, please contact [Sales.SCM@L-3com.com](mailto:Sales.SCM@L-3com.com) or visit [L-3com.com/SCM](http://L-3com.com/SCM).

### IN THIS ISSUE

GROUND TELEMTRY.....	2
Telemetry Receivers	
L-3 GIVES BACK.....	2
SPACECRAFT SYSTEMS .....	3
Recent Launches	
HAPPY 50TH L-3 TW.....	4
REP FOCUS.....	5
KJS Marketing, Inc.	
L-3 TW VISION .....	6
UPCOMING EVENTS.....	7
Fall Tradeshows	



## L-3 TELEMETRY-EAST WINS CONTRACT FOR C-BAND UPGRADE FOR TELEMETRY RECEIVERS



**BRISTOL, Pa., July 5, 2011** – L-3 Telemetry-East (L-3 TE) was awarded an indefinite delivery/Indefinite quantity (ID/IQ) contract from the U.S. Air Force to upgrade telemetry ground receivers by incorporating C-Band spectrum. Over the past two years, engineers at Edwards Air Force Base and L-3 TE have been testing a down-conversion scheme to ensure optimum functionality with no performance degradation.

Edwards AFB recently added the C-Band frequencies and recommended adding a down-conversion scheme to the Inter Range Instrumentation Group (IRIG) Telemetry Standards. IRIG 106 ensures interoperability in aeronautical telemetry applications at member missile ranges. IRIG 106-11 is scheduled to be published in the next few months, defining the new down-conversion scheme. Once published, L-3 TE plans to announce it has an IRIG Standard method for handling C-Band down conversion for ground receivers used throughout the world.

“This represents another successful Edwards AFB and L-3 partnership to provide the most cost-effective technical solutions for the U.S. military,” said Terry Hamilton, L-3 TE’s vice president of Ground & Telecommunications Products.

For more information, please visit [www.L-3com.com/TE](http://www.L-3com.com/TE)



RCB-4000 Telemetry Ground Receiver

## L-3 GIVES BACK

### CLEAN WATER FOR HAITI

A group of L-3 TW employees got together and raised over \$1,000 for Clean Water for Haiti project. Clean Water for Haiti is a faith-based volunteer-run, not-for-profit organization that provides the people of Haiti with affordable access to clean water in their homes through the use of Biosand water filters. It's their goal to make Biosand filters affordable and attainable for anyone in Haiti.

At Clean Water for Haiti's mission base in Pierre Payen they are able to produce Biosand filters full time for about \$50 USD per filter. This cost includes all materials, labor, delivery, installation and follow-up education for filter recipients. They are currently delivering and installing about 200 filters each month, giving over 2,000 Haitian people access to clean water in their homes.

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For more information, please visit [cleanwaterforhaiti.org](http://cleanwaterforhaiti.org).



### DAFFODIL DAYS FROM THE AMERICAN CANCER SOCIETY

L-3 TW employees raised over \$3,000 for the American Cancer Society Daffodil Days campaign this year. It is one of the American Cancer Society's oldest and most beloved fundraising programs. As the first flower of spring, the daffodil represents hope and renewal.



To the American Cancer Society, the daffodil symbolizes the hope we all share for a world with less cancer and more birthdays where cancer never steals another year from anyone's life.

For nearly a century, the American Cancer Society has fought for every birthday threatened by every cancer in every community. Overall, 11 million cancer survivors in America will celebrate another birthday this year.

Thank you to all L-3 TW employees, family, & friends who so generously donate to this great cause every year. L-3 TW has proudly been participating in this campaign for over 5 years.

For more information, please visit [daffodil.acsevents.org](http://daffodil.acsevents.org)

## RECENT LAUNCHES WITH OUR PRODUCTS ONBOARD

### AIR FORCE'S 1ST DEDICATED SBIRS SATELLITE MAKES ORBIT

**WASHINGTON** — The U.S. Air Force successfully launched its first Space Based Infrared System (SBIRS) geosynchronous missile warning satellite May 7 aboard an Atlas 5 rocket from Cape Canaveral Air Force Station, Fla., the service announced May 7.

The first SBIRS satellite will join the service's legacy Defense Support Program satellites on orbit to provide the United States with global, persistent surveillance of missile launches, as well as contributing to other missions such as missile defense and tactical intelligence.

The satellite was built by Lockheed Martin Space Systems of Sunnyvale, Calif., and the payload was developed by Northrop Grumman Electronic Systems of Azusa, Calif. Lockheed Martin previously delivered two SBIRS payloads that are hosted on classified satellites in highly elliptical orbits. By Turner Brinton, [spacenews.com](http://spacenews.com)



SBIRS GEO-1 Launch  
Credit: ULA

### AIR FORCE ROCKET LAUNCHES NEW TACTICAL MILITARY SATELLITE

The United States Air Force successfully launched a new battlefield reconnaissance satellite Wednesday, June 29, a spacecraft designed to deliver fast and accurate images and information to American soldiers on the ground.

The ORS-1 satellite blasted off atop a Minotaur 1 rocket at 11:09 p.m. EDT (0309 GMT) from NASA's Wallops Flight Facility and Mid-Atlantic Regional Spaceport on Wallops Island, Va. The rocket launch lit up the late-night sky, with reports of skywatchers seeing the Minotaur 1 rocket from hundreds of miles away, including sightings from New York City and Washington, D.C.

"Go! Go! Go! Minotaur 1 is away with the #ORS1 satellite over the Atlantic!" officials at Wallops Flight Facility wrote in a Twitter message just after launch.

The \$226 million ORS-1 spacecraft is the first operational satellite created by the Air Force's Operational Responsive Space Office (hence the satellite's name). The spacecraft went from design and development to orbit in just 32 months, officials said. By Mike Wall, [SPACE.com](http://SPACE.com)



ORS-1 Launch  
Credit: NASA/WFF

LET FREEDOM SOAR  
TO NEW FRONTIERS

From our high-reliability, flight-proven spacecraft communications to the world's leading satellite command and control software, L-3 has your space mission solution. We are proud to be part of your vision.  
To learn more, go to [L-3.com.com/TW](http://L-3.com.com/TW).

Telemetry-West L-3.com.com

L-3 IS PROUD TO BE SELECTED TO PROVIDE THE  
SPACECRAFT TT&C COMMUNICATIONS HARDWARE  
FOR LOCKHEED MARTIN'S GOES-R PROGRAM

GOES-R satellite image courtesy of Lockheed Martin.

L-3 Telemetry-West's satellite TT&C products have an unsurpassed flight heritage with our government and commercial customers. We offer flight-proven solutions for both secure and non-secure applications. To learn more, go to [L-3.com.com/TW](http://L-3.com.com/TW).

Telemetry-West L-3.com.com

# Celebrating 50 Years of Success



**L-3 Telemetry-West** (L-3 TW) celebrates 50 years in business this year. The company was founded in 1961 by a local group of telemetry design engineers & testers; Cliff Griffin, Bill Bergmann, Hugh Bennett, Robert O'Dell and Byron D. Frankenberger who were determined to build smaller highly integrated and more sophisticated telemetry design, systems and products.

Starting with telemetry transmitters, Conic progressed to being a telemetry products manufacturer and the founders charged ahead with the attitude of "Let's See Where Technology Takes Us". But with professional dreams came risks and personal sacrifices at home. From the start, the founders and their families committed to making Conic a leading telemetry products company. Their vision of building affordable innovative telemetry products has evolved into one of the world's leading telemetry manufacturing suppliers.

**"When you sit down and consider what the founders accomplished, you can't help but be proud and impressed at their vision, leadership and innovation."** Burt Smith, president of L-3 Telemetry-West

"When you sit down and consider what the founders accomplished, you can't help but be proud and impressed at their vision, leadership and innovation," said Burt Smith, president of L-3 Telemetry-West.

In 1997, ten business units were divested from Lockheed Martin to form L-3 Communications. Conic and Telemetry & Instrumentation were two of the original; later combined to form L-3 Telemetry-West in October of 2001.

Conic was a world-leader in airborne telemetry, space TT&C, tactical receivers, HF/SSB, and microwave radios and Telemetry & Instrumentation was a pacesetter in ground telemetry components and turnkey systems. The formation of L-3 Telemetry-West, combined two of the world's premier telemetry businesses into a single company capable of providing a full range of telemetry and terrestrial communication solutions.

Once a small startup with a storefront in National City, Ca. the combined division now known as L-3 TW has established its headquarters at the company-owned engineering and manufacturing facility in Kearny Mesa, Ca.; the heart of industrial San Diego. Today, L-3 TW has over 500 employees and over 33,000 sq. ft. of clean room manufacturing and test facilities.



1961 – Conic building located in National City, CA



2011 – L-3 TW building located in San Diego, CA

## REP FOCUS



### TEST EQUIPMENT | EMBEDDED COMPUTING | RF, MICROWAVE & FIBEROPTIC COMPONENTS

**KJS Marketing, Inc.** (KJS) is a leading high-tech Manufacturer's Representative firm in the upper-Midwest, specializing in military/aerospace, telecom and medical markets. They have been in operation for over 35 years employing highly trained representatives recruited directly from the industries they serve. KJS Marketing specializes in three distinct market segments: Test & Measurement, Components (RF, Optical and Electrical), and Embedded Computing. This formula gives KJS the knowledge about programs at different development stages. The companies KJS represents are targeted to their customer base which can be challenging. Product sold to Rockwell Collins are primarily components; whereas a customer such as Boeing are more interested in major subsystems.

KJS has been representing L-3 business divisions for over 20 years. Current L-3 divisions represented include: L-3 Telemetry & RF Products which includes Southern California Microwave, Telemetry-East & Telemetry-West. The prime market targets for L-3 T&RF Products are Military Aircraft and Weapon Test Platforms in the Midwest. Additional L-3 divisions KJS represents include: L-3 Nova Engineering, and L-3 Communication Systems-East.

Mark Hanusin, President of KJS says, "We have been exposed to a number of very large programs throughout our geography and we intend to aggressively pursue these. We plan to aggressively expand the distribution side of our business as we have earned approved vendor status with a number of our largest customers. To be certain, challenges lie ahead of us but we also believe that some of the geo-political changes that occurred last year will work to our benefit."

For more information, please visit [kjsmarketing.com](http://kjsmarketing.com).

**PC SOLUTIONS FOR YOUR TELEMETRY NEEDS**

DMTS-4001  
PCI Dual Multi-Band  
Integrated Telemetry Receiver

MFT-800  
Dual Stream Multifunction  
PCIe Telemetry Module

Use of U.S. DoD imagery does not imply or constitute DoD endorsement. F-35 photo courtesy of Lockheed Martin.

L-3

L-3's multi-band telemetry receivers and PCM telemetry systems have capabilities ideally suited for quick-look applications, flight-line checkout systems and portable configurations. A rich, robust and proven set of embedded functions can be applied to a wide variety of data communications solutions. For more information, go to [L-3com.com/Telemetry](http://L-3com.com/Telemetry).



# VISION

To be the most trusted supplier of high-reliability communications solutions.

## CORE VALUES

### Customer Focus

Our customers are the focus of our business.

### Continuous Improvement

We are committed to improving everything we do. The relentless pursuit of excellence drives our daily activities.

### Quality

We continuously strive to be the standard by which performance is measured.

### Innovation

We apply original thought, creativity and sound business judgment to overcome obstacles, meet aggressive goals and improve products and processes.

### Integrity

We conduct business with the highest standards of ethics, developing a mutual trust with each other, customers, shareholders, suppliers and the community.

### Respect for the Individual

We treat people with dignity, fairness and courtesy.

### Teamwork

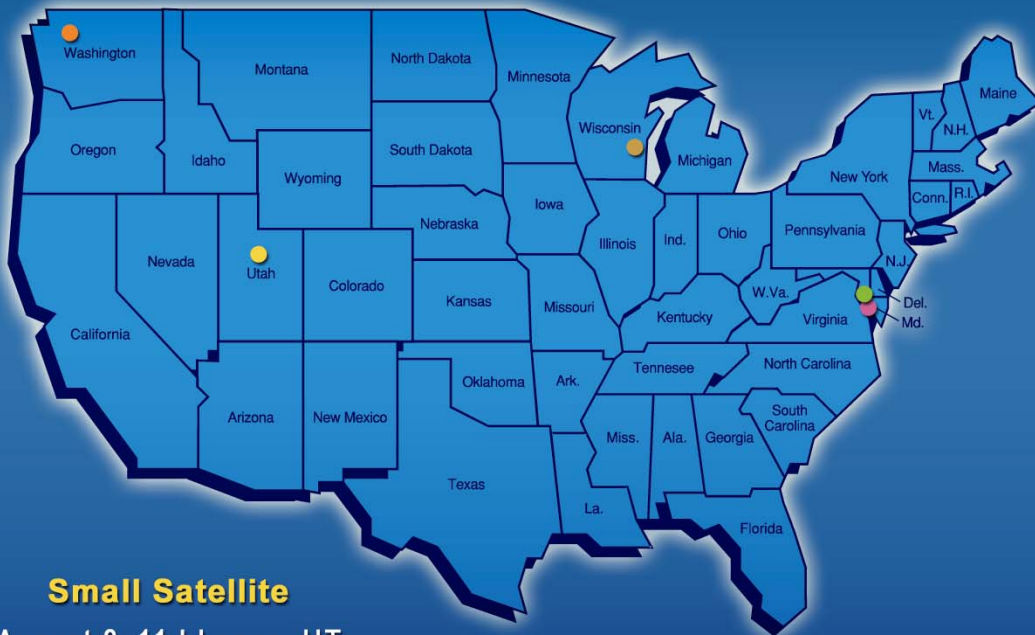
We achieve success through collaborative efforts committed to achieving common, defined objectives.



Telemetry-West

### UPCOMING EVENTS

## L-3 Telemetry & RF Products Trade Show Schedule | Fall 2011



#### Small Satellite

August 8–11 | Logan, UT

#### Society of Flight Test Engineers

August 8–11 | Seattle, WA

#### AUVSI

August 16–18 | Washington, D.C.

#### National Guard Association

August 27–29 | Milwaukee, WI

#### AFA Air & Space Conference & Technology Expo

September 19–21 | National Harbor, MD



## L-3 TELEMETRY & RF PRODUCTS GROUP



### L-3 ADVANCED TECHNOLOGY & SYSTEMS

355 Ravendale Drive | Mountain View, CA 94043

Phone: 650-961-9400 | Website: [L-3com.com/telemetry/divisions/ATS.htm](http://L-3com.com/telemetry/divisions/ATS.htm)

L-3 Advanced Technology & Systems is a provider of SIGINT Systems Engineering, Specific Emitter Identification, Novel Geolocation Techniques, RF Polarimeter Processing, Technical Studies & Analyses, Software Development, and Rapid Prototyping.



### L-3 SOUTHERN CALIFORNIA MICROWAVE

2732 Via Orange Way, Suite E | Spring Valley, CA 91978

Phone: 619-670-3414 | Website: [L-3com.com/SCM](http://L-3com.com/SCM)

L-3 Southern California Microwave (SCM) is a leading manufacturer of microwave transmitters, receivers, power amplifiers, repeaters and antennas for military test ranges, UAVs, RPVs, UGVs, robots and law enforcement agencies. Additionally, L-3 SCM provides standard FM PCM telemetry systems.



### L-3 TELEMETRY-EAST

1515 Grundy's Lane | Bristol, PA 19007

Phone: 267-545-7000 | Website: [L-3com.com/TE](http://L-3com.com/TE)

L-3 Telemetry-East (TE) is a preeminent supplier of airborne telemetry products and systems for the aircraft and missile flight test, airborne telemetry and ground receiver markets. Additionally, L-3 TE is a worldwide supplier and integrator of quality telecommunications products and end-to-end communications solutions.



### L-3 TELEMETRY-WEST

9020 Balboa Avenue | San Diego, CA 92123

Phone: 858-694-7500 | Website: [L-3com.com/TW](http://L-3com.com/TW)

L-3 Telemetry-West is a premier provider of tailored flight hardware and systems solutions for missile, UAV and spacecraft telemetry, tracking and control (TT&C); software & HPAs for satellite command & control; COTS-telemetry ground system solutions; tactical intelligence receivers; and terrestrial HF and microwave radios.

**FOCUS - JULY 2011** Published for customers of L-3 Telemetry & RF Products Group which consists of: Telemetry-West, Telemetry-East, Southern California Microwave and Advanced Technology & Systems.

**PAST ISSUES** To read past issues go to [L-3com.com/TW/News](http://L-3com.com/TW/News)

**PLEASE EMAIL YOUR COMMENTS, SUGGESTIONS OR REQUESTS TO** [Focus.TW@L-3com.com](mailto:Focus.TW@L-3com.com)